



**2013 CA MECHANICAL  
CODE 701.4**

**STANDARD METHOD  
EQUATIONS:  
701.4.1 & 701.4.2**

**COMBUSTION AIR**

**701.2.1 Standard Method**

The minimum required volume shall be fifty (50) cubic feet per 1,000 Btu/hour (4.8m<sup>3</sup>/kW) [NFPA 54: 9.3.2.1].

**701.2.1.1 Known Air Infiltration Rate Method Equations.**

**Equation 701.2.1.1(a):**

Required Volume  $I_{other} \geq (21 \text{ ft.}^3 / \text{ACH}) \times (I_{other}/1,000 \text{ Btu/hr})$

**Equation 701.2.1.1(b):**

Required Volume  $I_{fan} \leq (15 \text{ ft.}^3 / \text{ACH}) \times (I_{fan}/1,000 \text{ Btu/h.})$

**WHERE:**

**I**  $other$  = all appliances other than fan-assisted input in Btu per hour

**I**  $fan$  = fan-assisted appliance input in Btu per hour

**ACH** = air change per hour (percent of volume of space exchanged per hour, expressed as a decimal)